Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1201txs

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

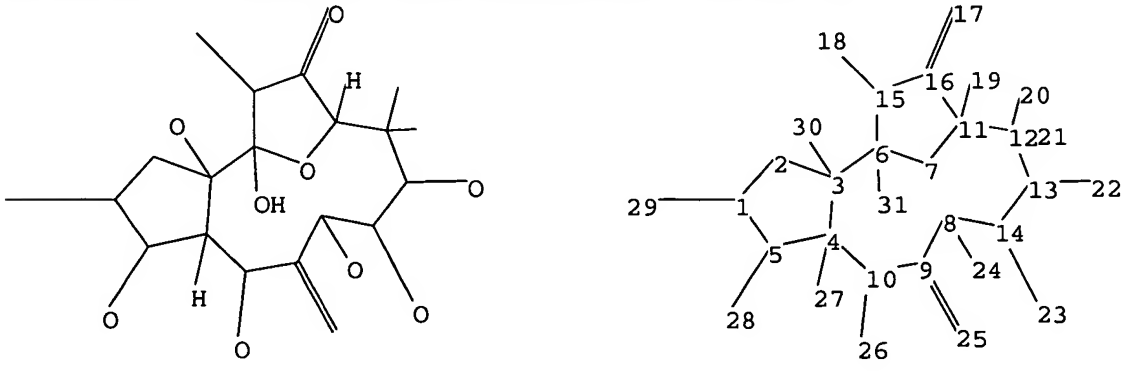
Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:14:29 ON 21 APR 2005

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY     SESSION
FULL ESTIMATED COST                                         0.21        0.21

FILE 'REGISTRY' ENTERED AT 18:14:36 ON 21 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   20 APR 2005  HIGHEST RN 848887-73-0
DICTIONARY FILE UPDATES:  20 APR 2005  HIGHEST RN 848887-73-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10767436.str
```




```
chain nodes :
17  18  19  20  21  22  23  24  25  26  27  28  29  30  31
ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16
```

```
chain bonds :
1-29  3-30  4-27  5-28  6-31  8-24  9-25  10-26  11-19  12-20  12-21  13-22  14-23
15-18  16-17
ring bonds :
1-2  1-5  2-3  3-6  3-4  4-10  4-5  6-7  6-15  7-11  8-14  8-9  9-10  11-12  11-16
12-13  13-14  15-16
exact/norm bonds :
3-30  5-28  6-31  8-24  10-26  13-22  14-23  16-17
exact bonds :
1-2  1-5  1-29  2-3  3-6  3-4  4-10  4-5  4-27  6-7  6-15  7-11  8-14  8-9  9-10
9-25  11-12  11-16  11-19  12-13  12-20  12-21  13-14  15-16  15-18
isolated ring systems :
containing 1 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:Atom  16:Atom  17:CLASS  18:CLASS  19:CLASS
20:CLASS  21:CLASS  22:CLASS  23:CLASS  24:CLASS  25:CLASS  26:CLASS  27:CLASS
28:CLASS  29:CLASS  30:CLASS  31:CLASS



L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 18:14:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      7 TO ITERATE

100.0% PROCESSED       7 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            7 TO      298
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 18:15:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    116 TO ITERATE

100.0% PROCESSED     116 ITERATIONS                                 7 ANSWERS
SEARCH TIME: 00.00.01

L3            7 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   161.33     161.54

FILE 'CAPLUS' ENTERED AT 18:15:10 ON 21 APR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 1907 - 21 Apr 2005 VOL 142 ISS 17
FILE LAST UPDATED: 20 Apr 2005 (20050420/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 18 L3

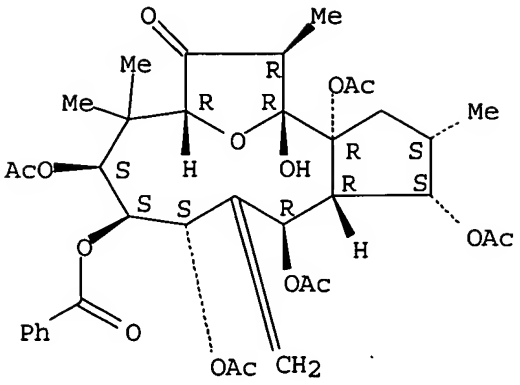
=> d l4 ibib hitstr abs 1-18

L4 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:140078 CAPLUS
DOCUMENT NUMBER: 142:233304
TITLE: Diterpenes having cell division-inhibiting activity derived from Euphorbia kansui
INVENTOR(S): Kitanaka, Susumu; Miyata, Shohei; Wang, Li-Yan; Wang, Nai-Li; Yao, Sin-Sheng
PATENT ASSIGNEE(S): Nihon University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005041800	A2	20050217	JP 2003-201340	20030724
US 2005043549	A1	20050224	US 2004-767436	20040130

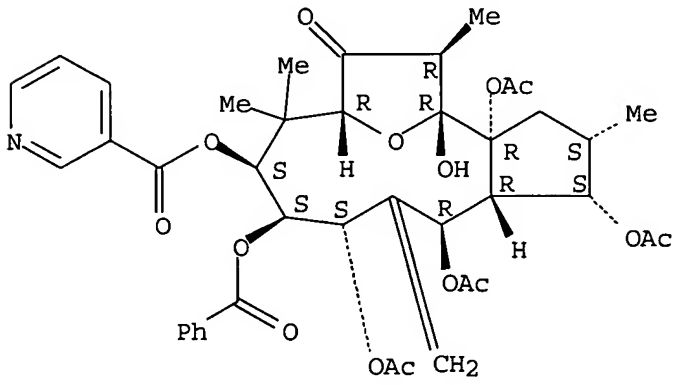
PRIORITY APPLN. INFO.: JP 2003-201340 A 20030724
IT **57701-86-7P 672945-82-3P**
RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(isolation of diterpenes from Euphorbia kansui root and their cell division-inhibiting activity)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

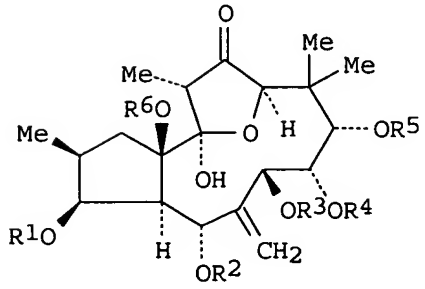


RN 672945-82-3 CAPLUS
CN 3-Pyridinecarboxylic acid, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)-1,3a,11,13-tetrakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-6-oxo-4,7-epoxy-1H-cyclopentacyclododecen-9-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



I

AB Diterpenes I [R1-R6 = H, (un)substituted (un)saturated linear or branched aliphatic group, COR; R = (un)substituted (un)saturated linear or branched aliphatic

group, (un)substituted aryl, (un)substituted heteroaryl], useful for treatment of malignant tumors such as esophageal cancer, breast cancer, etc., are claimed. Thus, 8 diterpenes were isolated from an EtOH extract of Euphorbia kansui root. Cell division-inhibiting activity of 2 of them were shown in Xenopus animal cap assay.

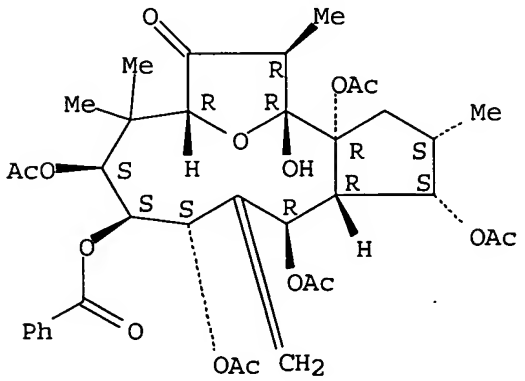
L4 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:140077 CAPLUS
DOCUMENT NUMBER: 142:212331
TITLE: Ingenol-type diterpene esters as cell division inhibitors
INVENTOR(S): Kitanaka, Susumu; Miyata, Shohei; Wang, Li-Yen; Wang, Nai-Li; Yao, Xin-Sheng
PATENT ASSIGNEE(S): Nihon University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005041799	A2	20050217	JP 2003-201339	20030724
PRIORITY APPLN. INFO.:			JP 2003-201339	20030724

IT **57701-86-7P 672945-82-3P**
RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(isolation of ingenol-type diterpene decadienoates from Euphorbia kansui root and their tumor cell division-inhibiting activity)

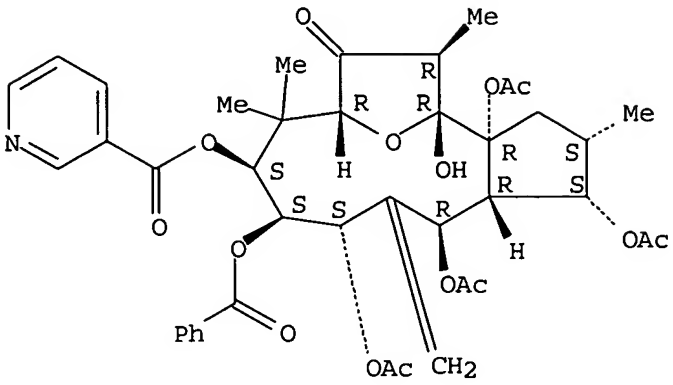
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

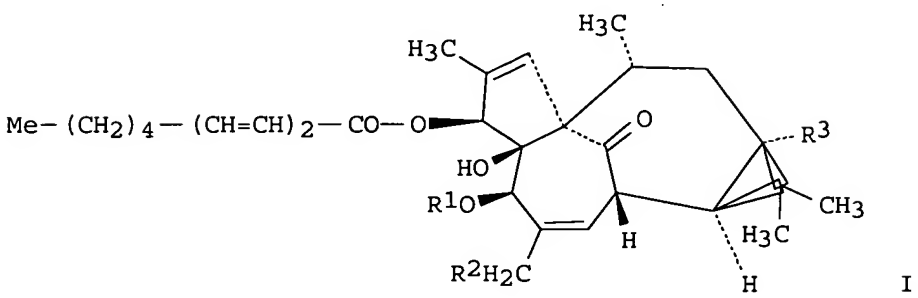


RN 672945-82-3 CAPLUS
CN 3-Pyridinecarboxylic acid, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)-1,3a,11,13-tetrakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-6-oxo-4,7-epoxy-1H-cyclopentacyclododecen-9-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



GI



I

AB The esters I [R1-R3 = H, (un)substituted (un)saturated linear or branched aliphatic group, COR; R = (un)substituted (un)saturated linear or branched aliphatic group, (un)substituted aryl, (un)substituted heteroaryl], useful for treatment of malignant tumors such as esophageal cancer, breast cancer, etc., are claimed. Thus, 8 diterpenes were isolated from an EtOH extract of Euphorbia kansui root. (E,E)-I (R1 = R2 = R3 = H) among them showed 55.1% cell division inhibition in Xenopus animal cap assay.

L4 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER:	2004:668003 CAPLUS
DOCUMENT NUMBER:	141:328543
TITLE:	Activity of Macrocyclic Jatrophane Diterpenes from Euphorbia kansui in a TrkA Fibroblast Survival Assay
AUTHOR(S):	Pan, Qin; Ip, Fanny C. F.; Ip, Nancy Y.; Zhu, Hua-Xu; Min, Zhi-Da
CORPORATE SOURCE:	Department of Natural Medicinal Chemistry, China Pharmaceutical University, Nanjing, 210009, Peop. Rep. China
SOURCE:	Journal of Natural Products (2004), 67(9), 1548-1551 CODEN: JNPRDF; ISSN: 0163-3864
PUBLISHER:	American Chemical Society
DOCUMENT TYPE:	Journal

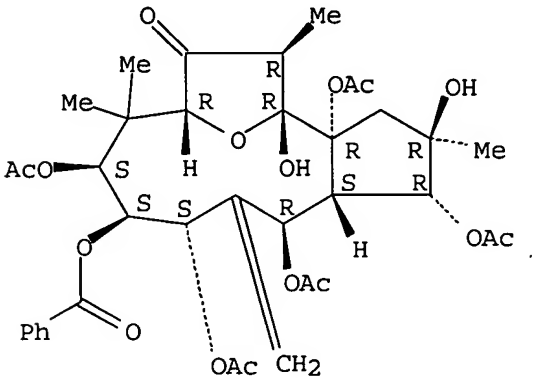
LANGUAGE: English

IT **770715-06-5P**, Kansuinin H
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(macrocyclic jatrophane diterpenes from Euphorbia kansui)

RN 770715-06-5 CAPLUS

CN 4,7-Epoxy-6H-cyclopentacyclododecen-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-2,4-dihydroxy-2,5,8,8-tetramethyl-12-methylene-, (1R,2R,3aR,4R,5R,7R,9S,10S,11S,13R,13aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

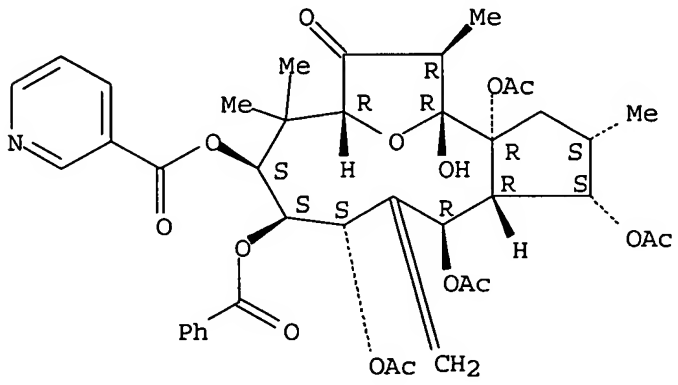


IT **672945-82-3P**, Kansuinin D
RL: BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation)
(macrocyclic jatrophane diterpenes from Euphorbia kansui)

RN 672945-82-3 CAPLUS

CN 3-Pyridinecarboxylic acid, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)-1,3a,11,13-tetrakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-6-oxo-4,7-epoxy-1H-cyclopentacyclododecen-9-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



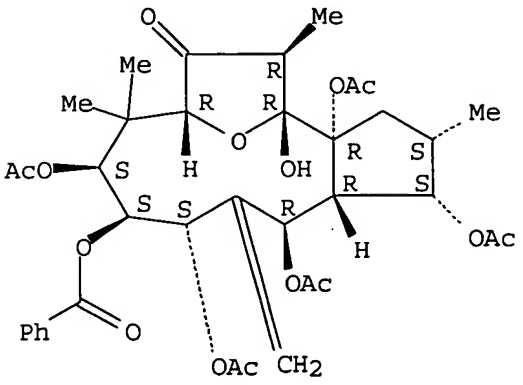
IT **57701-86-7P**, Kansuinin A
RL: BSU (Biological study, unclassified); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation)

(macrocyclic jatrophane diterpenes from Euphorbia kansui)

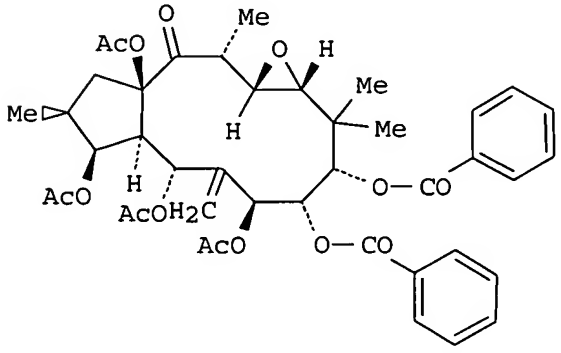
RN 57701-86-7 CAPLUS

CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



GI



I

AB Three new macrocyclic diterpenes, kansuinins F (I), G, and H, together with four known jatrophane diterpenes, kansuinins D, E, and A and 3β,5α,7β,15β-tetraacetoxy-9α-nicotinoyloxyjatropha-6(17)-11E-dien-14-one, were isolated from the roots of Euphorbia kansui. Kansuinins F and G were assigned as 6(17)-en-11,12-epoxy-14-one-type jatrophane diterpenes, and kansuinin H as a 6(17)-en-11,14-epoxy-12-one jatrophane diterpene. The structures of kansuinins F-H and the relative configurations of kansuinins D-E were determined by spectral data anal. Kansuinin E exhibited a specific survival effect on fibroblasts that expressed TrkA, a high-affinity receptor for nerve growth factor.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

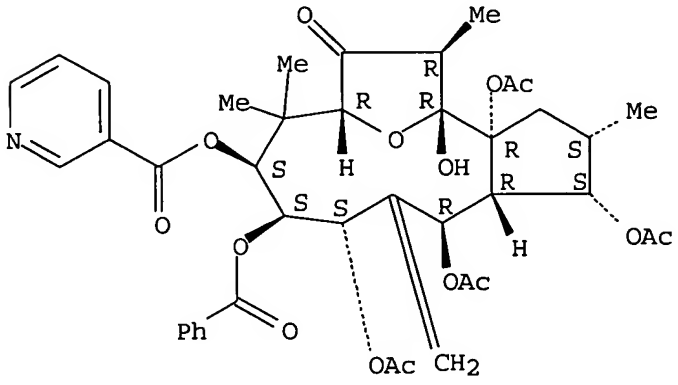
ACCESSION NUMBER: 2003:758409 CAPLUS
DOCUMENT NUMBER: 140:267543
TITLE: Studies on the bioactive constituents in euphorbiaceae. 3. Diterpenes from the roots of Euphorbia kansui and their in vitro effects on the cell division of Xenopus (2)
AUTHOR(S): Wang, Li-Yan; Wang, Nai-Li; Yao, Xin-Sheng; Miyata, Syohei; Kitanaka, Susumu
CORPORATE SOURCE: Department of Natural Products Chemistry, Shenyang Pharmaceutical Universit, Shenyang, 110016, Peop. Rep. China
SOURCE: Chemical & Pharmaceutical Bulletin (2003), 51(8), 935-941
CODEN: CPBTAL; ISSN: 0009-2363
PUBLISHER: Pharmaceutical Society of Japan
DOCUMENT TYPE: Journal
LANGUAGE: English

IT **672945-82-3P**, Kansuinin D
RL: BSU (Biological study, unclassified); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(diterpenes from the roots of Euphorbia kansui and their effect on the cell division)

RN 672945-82-3 CAPLUS

CN 3-Pyridinecarboxylic acid, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)-1,3a,11,13-tetrakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-6-oxo-4,7-epoxy-1H-cyclopentacyclododecen-9-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



AB Four new ingenane-type diterpenes, 3-O-(2,3-dimethylbutanoyl)-13-O-dodecanoyl-20-O-acetylingenol (1), 3-O-(2,3-dimethylbutanoyl)-13-O-dodecanoyl-20-deoxyingenol (2), 3-O-(2E,4Z-decadienoyl)-20-deoxyingenol (3), and 3-O-(2E,4E-decadienoyl)-20-deoxyingenol (4), two new jatrophane-type diterpenes, kansuinins D (9) and E (10), and four known ingenane-type diterpenes were isolated from the root of Euphorbia kansui. Their structures were elucidated by spectroscopic and chemical anal., and individual Xenopus cells at the blastular stage were cultured with the diterpenes to test for biol. activity. 20-Deoxyingenol diterpenes 3 and 4 induced the greatest cell cleavage arrest (0.5 μg/mL of each compound resulted in >75% cleavage arrest), but cell cleavage inhibitory activity became weak when C-16 had an acyl residue. In contrast, the jatrophane diterpene kansuinin D showed no activity.

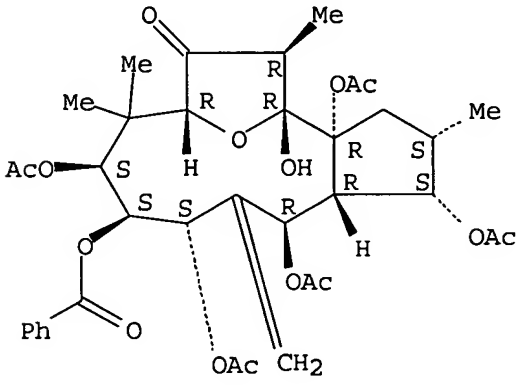
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:470467 CAPLUS
DOCUMENT NUMBER: 139:47129
TITLE: Diterpenes from Euphorbia kansui and compositions containing them as antiinflammatory or antitumor agents
INVENTOR(S): Kitanaka, Susumu; Miyata, Shohei
PATENT ASSIGNEE(S): Nihon University, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

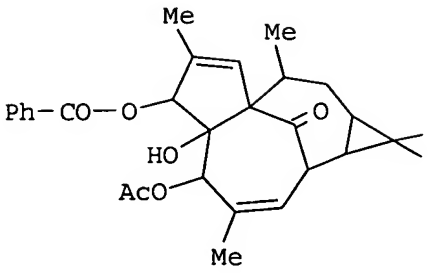
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003171349	A2	20030620	JP 2001-296613	20010927
PRIORITY APPLN. INFO.:			JP 2001-238341 A	20010806

IT **57701-86-7P**
RL: PAC (Pharmacological activity); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(isolation of diterpenes from Euphorbia kansui and their uses as anti-inflammatory or antitumor agents)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

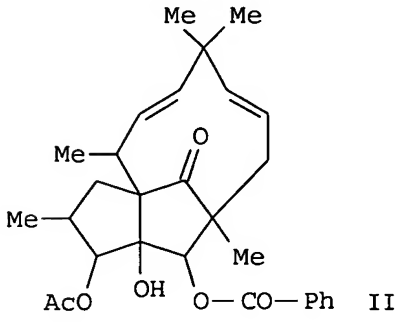
Absolute stereochemistry. Rotation (+).



GI



I



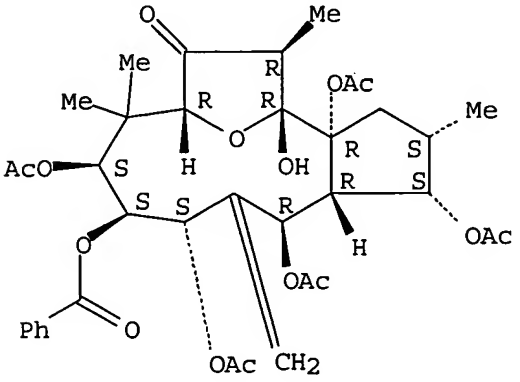
II

AB Compns. containing a diterpenes I are claimed. Also claimed are specific diterpenes II, III, IV, V, VI [R1 = H, R2 = (E,E)-CO(CH:CH)2(CH2)4Me], VI [R1 = H, R2 = (E,Z)-CO(CH:CH)2(CH2)4Me], VI [R1 = (E,E)-CO(CH:CH)2(CH2)4Me, R2 = H], VI [R1 = (E,Z)-CO(CH:CH)2(CH2)4Me, R2 = H], and VI [R1 = H, R2 = CO(CH2)8Me] and compns. containing them. The diterpenes are useful as antiinflammatory or antitumor agents. Root of E. kansui was extracted with EtOH and the EtOH extract was subsequently extracted with CHCl3, EtOAc, and BuOH 3 times for each solvent. The CHCl3 fraction was concentrated and fractionated by silica gel column using gradient elution with hexane-EtOAc mixts. Isolation of above 10 diterpenes from the fractions were also shown. These diterpenes inhibited compound 48/80-induced histamine release from mast cells and inhibited cleavage of Xenopus late blastula.

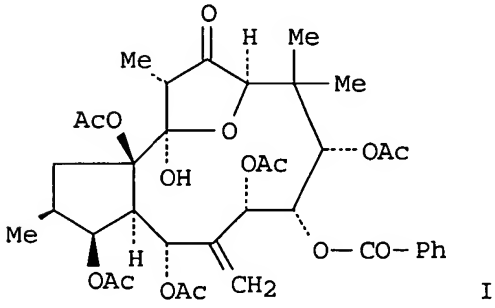
L4 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:18338 CAPLUS
DOCUMENT NUMBER: 139:97906
TITLE: Studies on the structure of kansuinine A from Euphorbia kansui
AUTHOR(S): Pan, Qin; Min, Zhi Da
CORPORATE SOURCE: Department of Natural Medicine Chemistry, China Pharmaceutical University, Nanjing, 210009, Peop. Rep. China
SOURCE: Chinese Chemical Letters (2002), 13(12), 1178-1180
CODEN: CCLEE7; ISSN: 1001-8417
PUBLISHER: Chinese Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**, Kansuinine A
RL: PRP (Properties)
(Kansuinin A; structure of kansuinine A from Euphorbia kansui)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-

pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



GI



I

AB Kansuinine A (I) is a macrocyclic jatrophane diterpene that was isolated from E. kansui. Further investigation of the structure by HMQC, and HMBC spectra revealed that the benzoyl group is located at C-8 and an acetyl group is at C-3.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:569056 CAPLUS

DOCUMENT NUMBER: 137:275755

TITLE: Diterpenes from the roots of Euphorbia kansui and their in vitro effects on the cell division of Xenopus

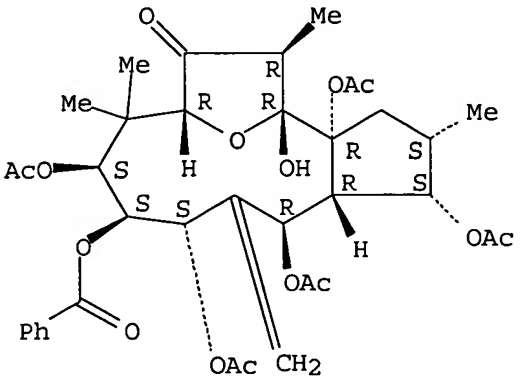
AUTHOR(S): Wang, Li-Yan; Wang, Nai-Li; Yao, Xin-Sheng; Miyata, Syohei; Kitanaka, Susumu

CORPORATE SOURCE: Department of Natural Products Chemistry, Shenyang Pharmaceutical University, Shenyang, Shenhe District, 110016, Peop. Rep. China

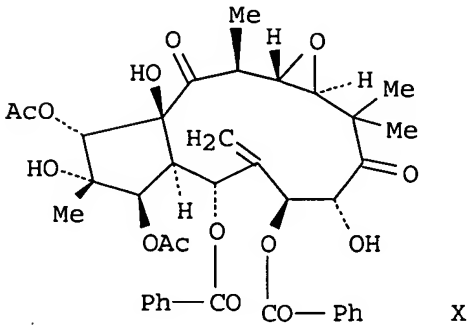
SOURCE: Journal of Natural Products (2002), 65(9), 1246-1251
CODEN: JNPRDF; ISSN: 0163-3864

PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**, Kansuinin A
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(diterpenes from Euphorbia kansui and their in vitro effects on cell division of Xenopus)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



GI



X

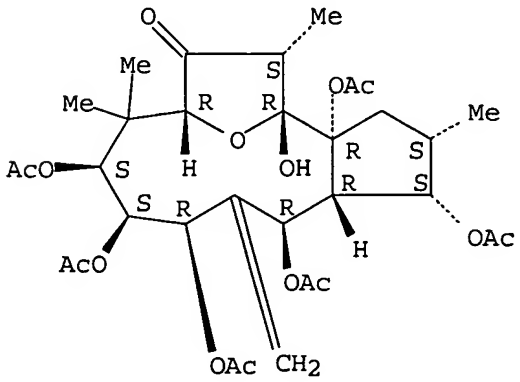
AB Twelve polycyclic diterpenes have been isolated from the roots of Euphorbia kansui. Nine were assigned with an ingenol skeleton, 20-O-(2'E,4'E-decadienoyl)ingenol (I), 20-O-(2'E,4'Z-decadienoyl)ingenol (II), 3-O-(2'E,4'Z-decadienoyl)ingenol (III), 3-O-(2'E,4'E-decadienoyl)ingenol (IV), 3-O-(2'E,4'Z-decadienoyl)-5-O-acetylingenol (V), 3-O-(2'E,4'Z-decadienoyl)-20-O-acetylingenol (VI), 3-O-(2'E,4'E-decadienoyl)-20-O-acetylingenol (VII), 20-O-(decanoyl)ingenol (VIII), and 5-O-(2'E,4'E-decadienoyl)ingenol (IX), and three with a jatrophane skeleton, kansuinins A (XII), B (XI), and C (X). Compds. I, II, V, IX, and X are new compds., while IV and VII were assigned with new geometric

configurations. Their structures were elucidated by spectroscopic and chemical anal. In vitro treatment of cultured individual Xenopus cells at the blastular stage with I-IX arrested cleavage significantly (0.5 μg/mL of each compound resulted in >75% cleavage arrest). Of the three jatrophane diterpenes X-XII, only kansuinin B XI showed any activity, resulting in 87% cleavage arrest at 50 μg/mL.

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:284092 CAPLUS
DOCUMENT NUMBER: 137:179501
TITLE: New macrocyclic diterpenoids from Euphorbia esula
AUTHOR(S): Liu, L. G.; Meng, J. C.; Wu, S. X.; Li, X. Y.; Zhao, X. C.; Tan, R. X.
CORPORATE SOURCE: Institute of Functional Biomolecules, School of Life Sciences, Nanjing University, Nanjing, 210093, Peop. Rep. China
SOURCE: Planta Medica (2002), 68(3), 244-248
CODEN: PLMEAA; ISSN: 0032-0943
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **449779-15-1P**
RL: PAC (Pharmacological activity); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation)
(new macrocyclic diterpenoids from Euphorbia esula)
RN 449779-15-1 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecen-6-one, 1,3a,9,10,11,13-hexakis(acetyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1R,2R,3aS,4S,5R,7S,9R,10R,11S,13S,13aS)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.



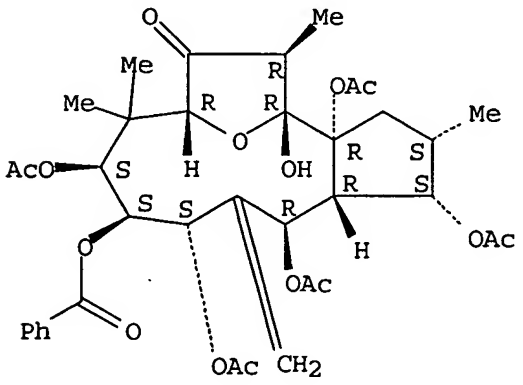
AB The structures of two new macrocyclic jatrophane diterpenoid esters from the whole herb of Euphorbia esula, were established as 11,14-epoxy-3β,5α,7β,8α,9α,15β-hexaacetoxy-12-oxo-13αH-jatropha-6(17)-ene and 1α,3β-diacetoxy-5α,7β-dibenzoyloxy-9,14-dioxo-11β,12α-epoxy-2α,8α,15β-trihydroxy-13βH-jatropha-6(17)-ene by a combination of 1D- and 2D-NMR techniques as well as UV, IR and mass spectra data. Bioassay evaluation of all isolates against the human tumor cell lines (B16, KB, SMMC and BGC) indicated that the second ester was

cytotoxic to B16 with the IC50 value being 1.81 μg/mL. In addition, the irritant activity assay indicated that both diterpenoids were inactive (ID2450 > 100 μg/ear).

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:43717 CAPLUS
DOCUMENT NUMBER: 130:129831
TITLE: Cytotoxicity and antiviral activity of the compounds from Euphorbia kansui
AUTHOR(S): Zheng, W. F.; Cui, Z.; Zhu, Q.
CORPORATE SOURCE: Laboratory Pharmacology Toxicology, Nanjing University Traditional Chinese Medicine, Nanjing, 210029, Peop. Rep. China
SOURCE: Planta Medica (1998), 64(8), 754-756
CODEN: PLMEAA; ISSN: 0032-0943
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**, Kansuinin A
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); OCCU (Occurrence)
(cytotoxicity and antiviral activity of the compds. from Euphorbia kansui)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



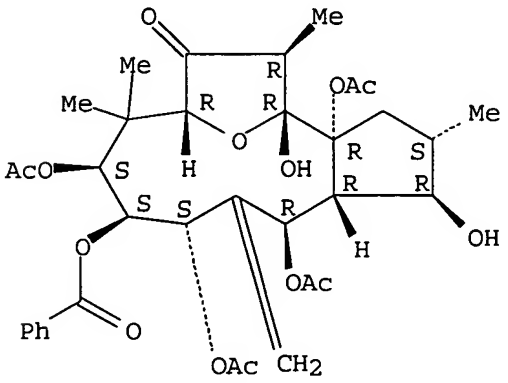
AB Eleven compds. including four triterpenes, one sterol, and six diterpenes from E. kansui had been assayed for their cytotoxicity and antiviral activity. The relations between structures and bioactivities have also been noted.

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:15183 CAPLUS
DOCUMENT NUMBER: 130:213527

TITLE: Structure of esulol A, a novel macrocyclic diterpene, from inner Mongolian Euphorbia esula
AUTHOR(S): Sekine, Toshikazu; Kamiya, Minoru; Ikegami, Fumio; Qi, Jin-Feng
CORPORATE SOURCE: Faculty Pharmaceutical Sciences, Chiba University, Chiba, 263, Japan
SOURCE: Natural Product Letters (1998), 12(3), 237-239
CODEN: NPLEEF; ISSN: 1057-5634
PUBLISHER: Harwood Academic Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **221000-93-7**, Esulol A
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(structure of esulol A, a novel macrocyclic diterpene, from inner Mongolian Euphorbia esula)
RN 221000-93-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecen-6-one, 3a,9,11,13-tetrakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-1,4-dihydroxy-2,5,8,8-tetramethyl-12-methylene-, (1R,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

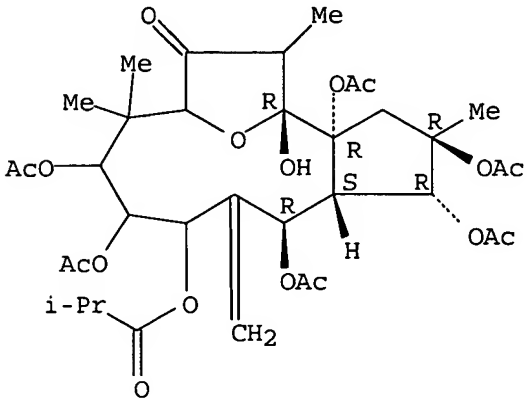


AB A new macrocyclic diterpene, esulol A was isolated from the aerial parts of Chinese Euphorbia esula (Euphorbiaceae). The relative structure was elucidated by spectroscopic analyses as a novel highly oxygenated jatrophane derivative
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1998:573081 CAPLUS
DOCUMENT NUMBER: 129:273031
TITLE: Macrocyclic diterpene polyesters of the jatrophane type from Euphorbia esula
AUTHOR(S): Hohmann, Judit; Vasas, Andrea; Gunther, Gabor; Imre, Mathe; Ferenc, Evanics; Gyorgy, Dombi; Gyula, Jerkovich
CORPORATE SOURCE: Szoe Gyogynoveny, Drogismereti Intez., Szeged, 6701, Hung.
SOURCE: Acta Pharmaceutica Hungarica (1998), 68(3), 175-182
CODEN: APHGAO; ISSN: 0001-6659

PUBLISHER: Magyar Gyogyszereszeti Tarsasag
DOCUMENT TYPE: Journal
LANGUAGE: Hungarian
IT **188640-76-8P**, Esulatin C
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation)
(macrocyclic diterpene polyesters of the jatrophane type from Euphorbia esula)
RN 188640-76-8 CAPLUS
CN Propanoic acid, 2-methyl-, (1R,2R,3aR,4R,13R,13aS)-1,2,3a,9,10,13-hexakis(acetyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-6-oxo-4,7-epoxy-1H-cyclopentacyclododecen-11-yl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).
Currently available stereo shown.



AB Three new jatrophane diterpenes, esulatin A, B and C, were isolated and characterized from the whole, undried plant of Euphorbia esula. By means of spectral anal., the structures were established as penta- and heptaesters of previously unknown, polyfunctional diterpene parent alcs. Esculatin A and C are the diterpenoids with the highest degree of esterification identified to date from the family Euphorbiaceae.

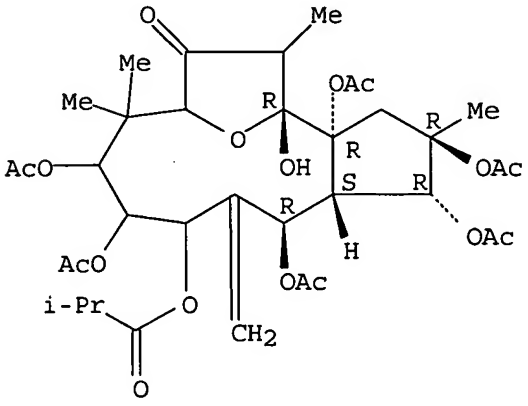
L4 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:281032 CAPLUS
DOCUMENT NUMBER: 126:248838
TITLE: Macrocyclic Diterpene Polyesters of the Jatrophane Type from Euphorbia esula
AUTHOR(S): Hohmann, Judit; Vasas, Andrea; Guenther, Gabor; Mathe, Imre; Evanics, Ferenc; Dombi, Gyoergy; Jerkovich, Gyula
CORPORATE SOURCE: Department of Pharmacognosy, Albert Szent-Gyoergyi Medical University, Szeged, H-6701, Hung.
SOURCE: Journal of Natural Products (1997), 60(4), 331-335
CODEN: JNPRDF; ISSN: 0163-3864
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **188640-76-8P**, Esulatin C
RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study);

OCCU (Occurrence); PREP (Preparation)
(macrocyclic diterpene polyesters of the jatrophane type from Euphorbia esula)

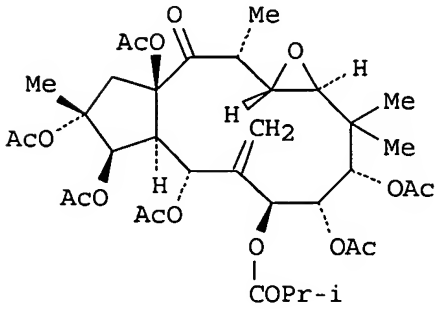
RN 188640-76-8 CAPLUS

CN Propanoic acid, 2-methyl-, (1R,2R,3aR,4R,13R,13aS)-1,2,3a,9,10,13-hexakis(acetyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-6-oxo-4,7-epoxy-1H-cyclopentacyclododecen-11-yl ester (9CI) (CA INDEX NAME)

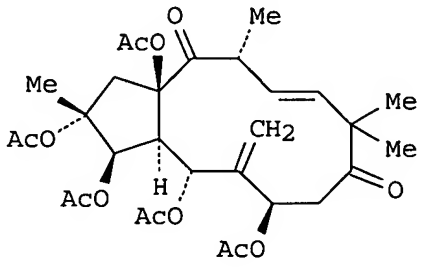
Absolute stereochemistry. Rotation (+).
Currently available stereo shown.



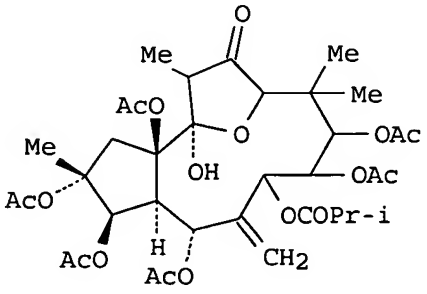
GI



I



II



III

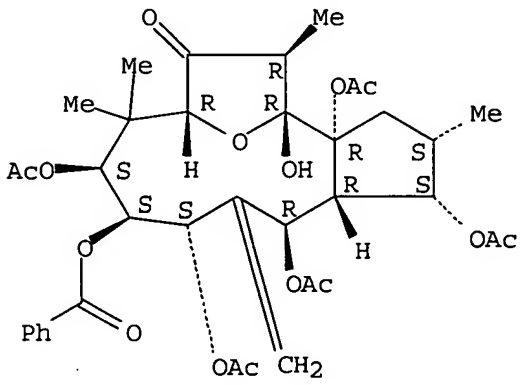
AB Three new jatrophane diterpenes, esulatins A-C (I-III) were isolated and

characterized from the whole, undried plant of Euphorbia esula. By means of spectral anal., the structures were established as pentaesters and heptaesters of hitherto unknown, polyfunctional diterpene parent alcs. I and III are the diterpenoids with the highest degree of esterification identified to date from the family Euphorbiaceae.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1996:97985 CAPLUS
DOCUMENT NUMBER: 124:136518
TITLE: Cyclooxygenase induction is essential for NGF synthesis enhancement by NGF inducers in L-M cells
AUTHOR(S): Yamaguchi, Kohji; Tsuji, Tomoko; Uemura, Daisuke; Kondo, Kiyosi
CORPORATE SOURCE: Sagami Chemical Research Center, Sagamihara, 229, Japan
SOURCE: Bioscience, Biotechnology, and Biochemistry (1996), 60(1), 92-4
CODEN: BBBIEJ; ISSN: 0916-8451
PUBLISHER: Japan Society for Bioscience, Biotechnology, and Agrochemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**, Kansuinin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(cyclooxygenase induction requirement for NGF formation enhancement by NGF inducers in L-M cells)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



AB Nerve growth factor (NGF) inducers, for example 4-methylcatechol, pyrroloquinoline quinone, kansuinin A, and ingenol triacetate, stimulate NGF synthesis in L-M cells, but the mechanism of NGF induction by NGF inducers is not known. Using the four different types of previously described NGF inducers, the authors proved induction of cyclooxygenase activity for NGF inducers and detected prostaglandins D2 and E2 as metabolites of arachidonic acid. From the observation that the induction

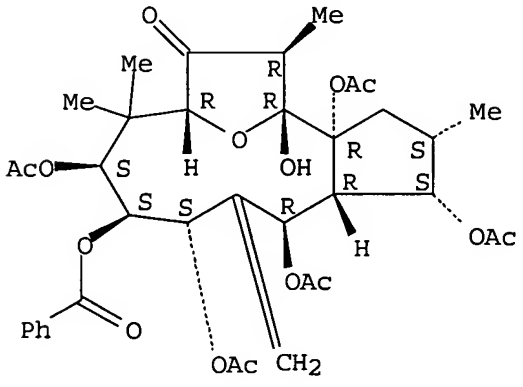
of NGF by each NGF inducers was inhibited by cyclooxygenase inhibitors or dexamethasone, cyclooxygenase activation is apparently an essential process for NGF induction.

L4 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1995:759318 CAPLUS
DOCUMENT NUMBER: 123:218433
TITLE: Nerve growth factor formation promotors containing diterpenes from Euphorbia
INVENTOR(S): Tsuji, Tomoko; Yamaguchi, Koji; Kamimura, Daisuke; Kondo, Sei
PATENT ASSIGNEE(S): Sagami Chem Res, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07149633	A2	19950613	JP 1993-319187	19931126
PRIORITY APPLN. INFO.:			JP 1993-319187	19931126

IT **57701-86-7**, Kansuinin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(NGF formation promoters containing kansuinin A, triacetylingenol, or jolkinolide B for treatment of nerve disorders)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

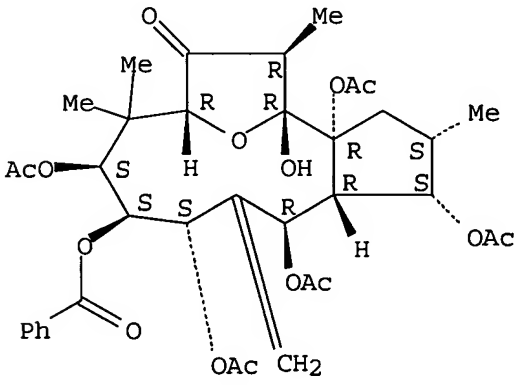


AB NGF formation promoters containing kansuinin A (I), triacetylingenol, and/or jolkinolide B as active ingredients are claimed. The promoters are useful for treatment of spinal injury, peripheral nerve injury, diabetic neuropathy, and amyotrophic lateral sclerosis. NGF formation by ML cell was increased 120 times by addition of I at 50 μg/mL.

L4 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1994:646113 CAPLUS
DOCUMENT NUMBER: 121:246113
TITLE: Stimulation of nerve growth factor production by diterpenoids isolated from plants of Euphorbia species
AUTHOR(S): Yamaguchi, Kohji; Uemura, Daisuke; Tsuji, Tomoko; Kondo, Kiyosi
CORPORATE SOURCE: Sagami Chem. Res. Center, Kanagawa, 229, Japan
SOURCE: Bioscience, Biotechnology, and Biochemistry (1994), 58(9), 1749-51
CODEN: BBBIEJ; ISSN: 0916-8451
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**, Kansuinin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(stimulation of nerve growth factor production by diterpenoids isolated from plants of Euphorbia species)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

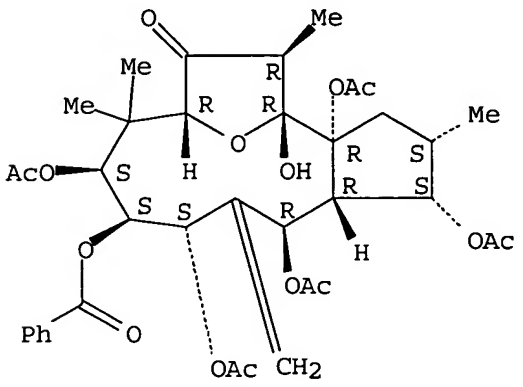


AB Kansuinin A, ingenol triacetate, and jolkinolide B, diterpenoids isolated from Euphorbia, were potent inducers of nerve growth factor production in L-M cells. Each of these compds. has unique characteristics in the potency of the activity and the range of ED. Kansuinin A had the strongest activity, ingenol triacetate had wide-range activity, and jolkinolide B had narrow-range activity.

L4 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1975:593546 CAPLUS
DOCUMENT NUMBER: 83:193546
TITLE: Toxic substances of Euphorbiaceae
AUTHOR(S): Hirata, Yoshimasa
CORPORATE SOURCE: Dep. Chem., Nagoya Univ., Nagoya, Japan
SOURCE: Pure and Applied Chemistry (1975), 41(1-2), 175-99
CODEN: PACHAS; ISSN: 0033-4545
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
IT **57701-86-7P**

RL: PREP (Preparation)
(from Euphorbia kansui, mol. structure of)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

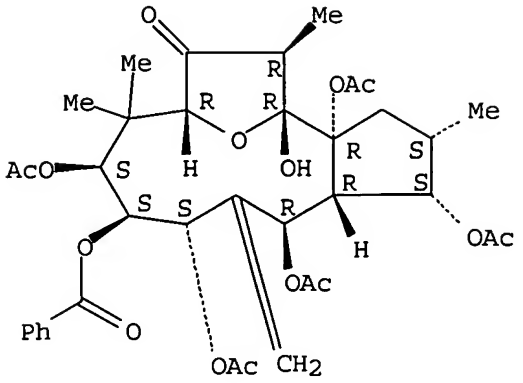
Absolute stereochemistry. Rotation (+).



GI For diagram(s), see printed CA Issue.
AB Kansuinine A (3,5,8,9-tri-O-acetyl-mono-O-benzoyl-I) and B (II) were isolated from Euphorbia kansui. The structure of I was determined from chemical and spectral data and that of II from chemical and spectral data and by x-ray anal. of the p-bromobenzoate III formed from II by successive treatment with OsO4 and p-BrC6H4COCl. Crystals of III were of space group P1 with a 10.57, b 11.97, c 9.96 Å, α 103.3, β 104.1, and γ 82.2°. The structure, biosynthesis, and biol. properties of the alkaloids and terpenoids from the family Euphorbiaceae were reviewed.

L4 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1975:497621 CAPLUS
DOCUMENT NUMBER: 83:97621
TITLE: Structure of kansuinine A, a new multi-oxygenated diterpene
AUTHOR(S): Uemura, Daisuke; Hirata, Yoshimasa; Chen, Yuh-Pan; Hsu, Hong-Yen
CORPORATE SOURCE: Chem. Inst., Nagoya Univ., Nagoya, Japan
SOURCE: Tetrahedron Letters (1975), (21), 1697-700
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(of Euphorbia kansui, structure of)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

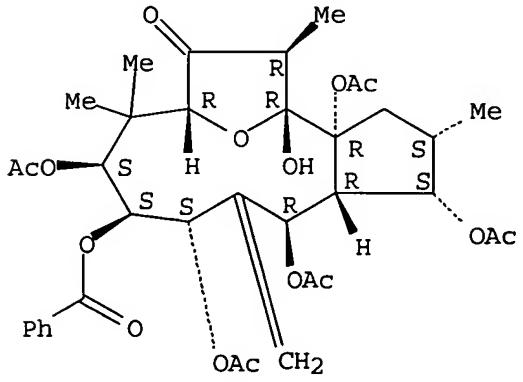
Absolute stereochemistry. Rotation (+).



GI For diagram(s), see printed CA Issue.
AB The structure of kansuinine A, a tri-O-acetyl-O-benzoyl derivative (14-OH unacylated) of the pentaol I, extracted from Euphorbia kansui, was determined from chemical and spectral data.

L4 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1975:479401 CAPLUS
DOCUMENT NUMBER: 83:79401
TITLE: Stereochemistry of kansuinine A
AUTHOR(S): Uemura, Daisuke; Hirata, Yoshimasa
CORPORATE SOURCE: Chem. Inst., Nagoya Univ., Nagoya, Japan
SOURCE: Tetrahedron Letters (1975), (21), 1701-2
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **57701-86-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(stereochem. of)
RN 57701-86-7 CAPLUS
CN 4,7-Epoxy-6H-cyclopentacyclododecene-6-one, 1,3a,9,11,13-pentakis(acetyloxy)-10-(benzoyloxy)tetradecahydro-4-hydroxy-2,5,8,8-tetramethyl-12-methylene-, (1S,2S,3aR,4R,5R,7R,9S,10S,11S,13R,13aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



GI For diagram(s), see printed CA Issue.
AB The stereochem. of kansuinine A, a tri-O-acetyl-O-benzoyl derivative (14-OH

unacylated) of the pentaol I, was determined from chemical and spectral data.

```
=> log y
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               89.37     250.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                              -13.14     -13.14

STN INTERNATIONAL LOGOFF AT 18:15:41 ON 21 APR 2005
```